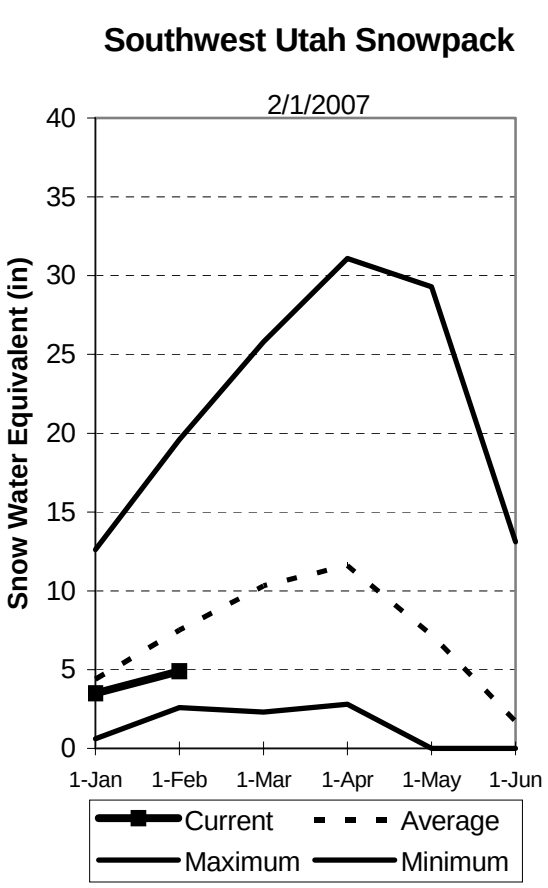
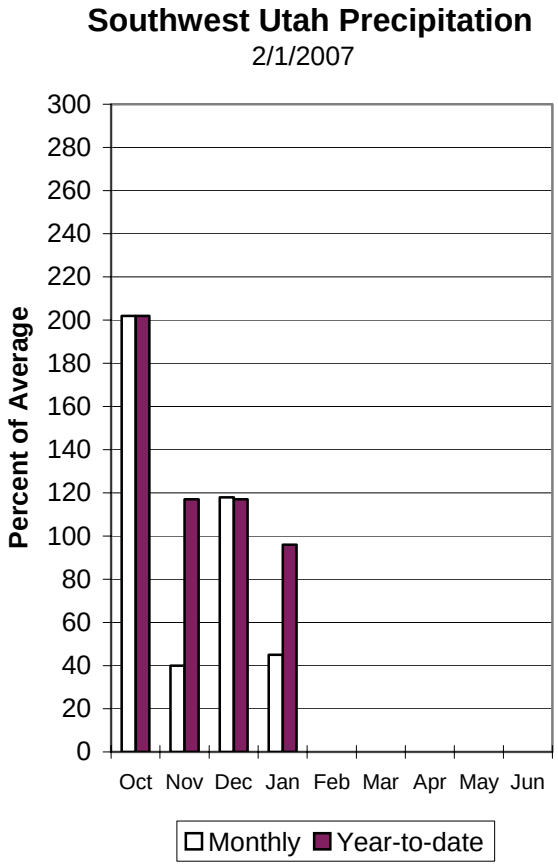
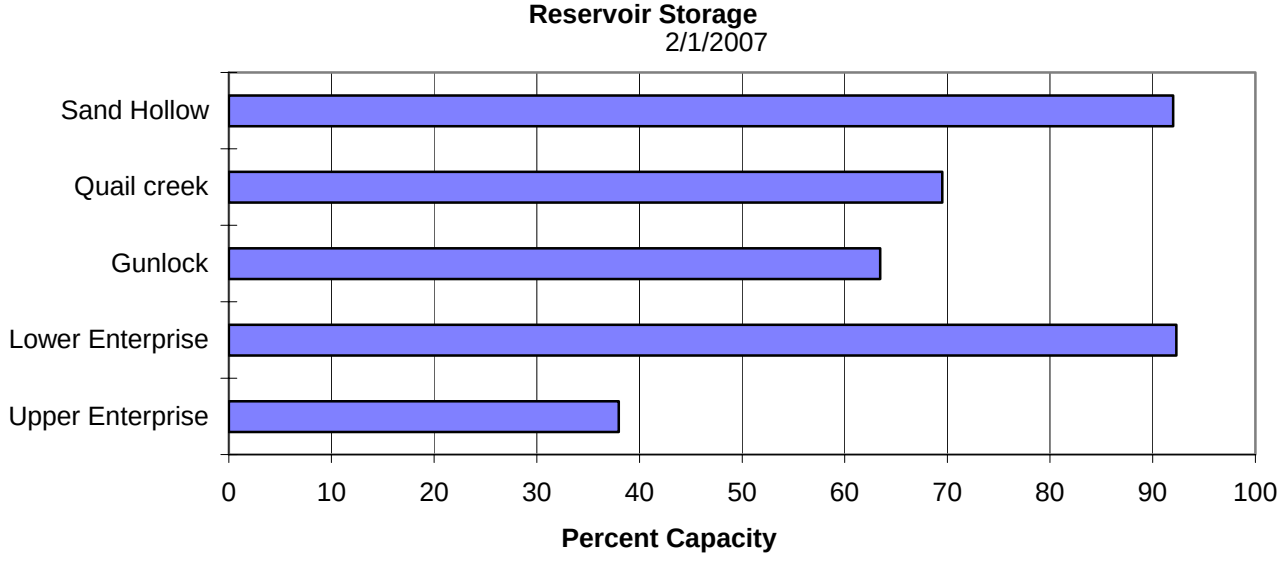
# E. Garfield, Kane, Washington, & Iron Co.
## February 1, 2007

Snowpacks in this region are much below normal at 65% of average, about 121% of last year and down 15% relative to last month. These watersheds have a 33% chance of reaching average snowpack this season. Individual sites range from 31% to 108% of average. Precipitation in the month of January was much below average at 45%, bringing the seasonal accumulation (Oct-Jan) to 96% of average. Soil moisture estimates in runoff producing areas are at 31% of saturation in the upper 2 feet of soil compared to 27% last year. Forecast streamflows range from 49% to 59% of average. Reservoir storage is at 77% of capacity, 10% less than last year. The Surface Water Supply Index is at 50%, indicating average water supply conditions.



## E. GARFIELD, KANE, WASHINGTON, & IRON Co.
### Streamflow Forecasts - February 1, 2007

| Forecast Point | Forecast Period | <<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | 50% (% AVG.) | 30% (1000AF) | 10% (1000AF) | 30-Yr Avg. (1000AF) |
|---|---|---|---|---|---|---|---|---|
| Lake Powell Inflow (2) | APR-JUL | 2760 | 4630 | 5900 | 74 | 7170 | 9040 | 7930 |
| Virgin River at Virgin | APR-JUL | 19.2 | 28 | 38 | 59 | 50 | 69 | 64 |
| Virgin River near Hurricane | APR-JUL | 13.8 | 24 | 37 | 54 | 52 | 80 | 69 |
| Santa Clara River nr Pine Valley | APR-JUL | 0.8 | 2.0 | 3.1 | 56 | 4.5 | 6.9 | 5.5 |
| Coal Creek nr Cedar City | APR-JUL | 6.8 | 10.6 | 13.7 | 71 | 17.2 | 23 | 19.3 |

## E. GARFIELD, KANE, WASHINGTON, & IRON Co.
### Reservoir Storage (1000 AF) - End of January

| Reservoir | Usable Capacity | *** Usable Storage *** This Year | Last Year | Avg |
|---|---|---|---|---|
| GUNLOCK | 10.4 | 6.6 | 10.4 | 5.7 |
| LAKE POWELL | 24322.0 | 11734.0 | 11222.0 | --- |
| QUAIL CREEK | 40.0 | 27.8 | 35.3 | 26.5 |
| UPPER ENTERPRISE | 10.0 | 3.8 | 9.0 | --- |
| LOWER ENTERPRISE | 2.6 | 2.4 | 0.0 | 38.0 |

## E. GARFIELD, KANE, WASHINGTON, & IRON Co.
### Watershed Snowpack Analysis - February 1, 2007

| Watershed | Number of Data Sites | This Year as % of Last Yr | Average |
|---|---|---|---|
| VIRGIN RIVER | 5 | 111 | 65 |
| PAROWAN | 2 | 92 | 72 |
| ENTERPRISE TO NEW HARMONY | 2 | 176 | 49 |
| COAL CREEK | 2 | 99 | 70 |
| ESCALANTE RIVER | 2 | 134 | 77 |
| E. GARFIELD, KANE, WASHIN | 9 | 119 | 65 |

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.